

Normal Colon

09/873,367A  
Sample page from submitted  
file  
TECH CENTER 10012900  
MAY 31 2002  
RECEIVED

Genes that are expressed in normal colon, that are not expressed at detectable levels in colon adenocarcinoma

Below is a listing of those genes that are expressed at appreciable levels in normal colon, but that do not appear to be expressed in colon adenocarcinoma. There are 333 sequences presented in the listing below.

>gi|1472311|gb|AA011199.1|AA011199 ze23c03.s1 Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone

IMAGE:359812 3', mRNA sequence

TTTTTTTGCTTTTCCCCCTCTATCTCAAATGCCTCACTCCGGGACAAATATTCCTTCTTAGCACTACTTA  
ACATAAATAAATCAATTTTGCTCTTCAAAGTCATTCTGCATATAATCCTGTCAACCTTATAGGAGCCTA  
CTGTACATTCTCATTGTGAACCAATCTCTTTACATTACAATATTATGATGCNTTCACNGGGAGGGGC  
TCTTCCCCAAGGTAAATGTAGCTCATTAAANAACTACAGTGGGGCTCTGTGATCTATGTACACATGTAT  
GTCACATATTGACCATTAAAAAACACAGAAACCTTGAGACTTCTGTAAAATTTTGGGATCATAAAA  
TATATTA AAAAGCAGACCAAAGGCAAGGCATTCTGGTTCTCTGACGTCCCCGGTCTAGTTTAATTCATT  
TTCCCAGTATTGGGGAAAAGCAGGGCA

>gi|1479353|gb|AA016979.1|AA016979 ze41h01.s1 Soares retina

N2b4HR Homo sapiens cDNA clone IMAGE:361585 3' similar to gb|M10329|MUSUR48S  
Mouse 4.8S U6 small

nuclear (rRNA); contains Alu repetitive element;; mRNA sequence

AAATATGGAACGCTTCACGAATTTGCGTGTATCCTTGCGCAGGGGCCATGCTAATCTTCTCTGTATCGT  
TCCAATTTTAGTATATGTGCTGCCGAAGCGAGCACCGTGCTTAGTTATTCTAAGTGAGGGCCCCAGGATC  
CACCTGCCTAGGCTTCCCAAAGTGCTGGGATTACAGGCGTGACCCACCGCGCCAGCCAAGTTTTGGTTT  
CCTCAACTGGAGGTAATATTACATATTTTACTTATACATATGCATAAGTAAACAAAGAGGGTTGTTTTGA  
GGGTCAAATAAATTGATGGATGTAAACGCTCTNCTGGTAAATTATAAAGCACTATACAAATACAAGGCAT  
TATTGTTAATAATAGAGCTTAATTACACCTGTCTCATTGATCTCTCANAGACC

>gi|1493220|gb|AA027011.1|AA027011 zk02c08.s1 Soares\_pregnant\_uterus\_NbHPU Homo sapiens cDNA clone

IMAGE:469358 3', mRNA sequence

GTTTTAAACATTTCTTTATTAGTATATAGACAGTAAAGCATGAAATAGATACAAACATTACTTATAAAA  
ATGTTTTGAAAGAACATTTGAAAAATAGATGAATGTCTTCTAGCCAGTTAATAGCAGAGAAAGAATTTAG  
TTTTGGTAGCTCATAGTCAGTAACCGTATGCCATGTCTCCAGAAGTAAATCCGTCTGTTTTCCAGAAA  
AATGTGATGTAGNGAATTNTCATTTTATGTGTTATTTTGCCTCATTAATGTAAATTTTAGATTTAAAAA  
AATCAAGTTTATTTGCTTTCTAAGAAAATGGNCTCCTTNCCCATTGCGCAGTAGNTTAATATATGTTCTA  
CGGTGTGGGTGTGT

>gi|1506906|gb|AA034962.1|AA034962 zk25h03.s1 Soares\_pregnant\_uterus\_NbHPU Homo sapiens cDNA clone IMAGE:471605 3', mRNA sequence

TTTTTTTTTTTGCAAGAAACACATGGGGATGGTTTTATTTTATAATTGGTTAAAAAAGTTTCTCAAAGTG  
AAGTTTAGGAGTGAGTTTATGTTTGTAAATTTGAAGAAAAGTGTCTTAAATTCAAAGATACCAATGG  
AAAGATAAAAGTTTGGGG

>gi|1512487|gb|AA037388.1|AA037388 zc03e01.s1

Soares\_parathyroid\_tumor\_NbHPA Homo sapiens cDNA clone IMAGE:321240 3', mRNA sequence

GATTTTCAAATTAACCTTTTTTATTAATTTAAAAATCCAGAAATACAGTGA CTACATAAATAAGTACCA  
TAATTAGGTACATGTCCTGTGAGAACAGTGAAAGGGTAATACTGTTATGTTACTTCTACTTGTTTACATG  
AGTTAACTAGAAAAATGGCTACAACCTGCTAAATGATGCTTATGGTCTTTGTTGTTCCAAGTGTTTATGATA  
CAAATAAAATACACAAGAAGAACCATCCATTCTTCTCTACTAACTACAGGCAGCTTGGGG

# Sample Sequence listing

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001  
<141> 1998-12-31

<150> US 08/999,999  
<151> 1997-10-15

<160> 4

<170> PatentIn version 2.0

<210> 1  
<211> 389  
<212> DNA  
<213> Paramecium sp.

<220>  
<221> CDS  
<222> (279)...(389)

<300>  
<301> Doc. Richard  
<302> Isolation and Characterization of a Gene Encoding a  
Protease from Paramecium sp.  
<303> Journal of Genes  
<304> 1  
<305> 4  
<306> 1-7  
<307> 1988-06-31  
<308> 123456  
<309> 1988-06-31

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agggagagtg tcttgacctt cctctgcctt tgcagcttca caggcaggca ggcaggcagc 120  
tgatgtggca attgctggca gtgccacagg ctttccagcc aggcctaggg tgggttccgc 180  
cgccggcgcg cgcccccctt cgcgctcttc tcgcgcctct ctctcgctct cctctcgctc 240

## Appendix 3, page 2

ggacctgatt aggtgagcag gaggagggggg cagtttagc atg gct tca atg ttc agc 296  
Met Val Ser Met Phe Ser  
1 5

ttg tct ttc aaa tgg cct gga ttt tgt ttg ttt gct tgt ttg ttc caa 344  
Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu Phe Val Cys Leu Phe Cln  
10 15 20 5

tgt ccc aaa gtc ctc ccc tgt cac tca tca ctg cag ccg aat ctt 389  
Cys Pro Lys Val Leu Pro Cys His Ser Ser Leu Gln Pro Asn Leu  
25 30 35 5

<210> 2  
<211> 37  
<212> PRT  
<213> Paramecium sp.

<<00> 2  
Met Val Ser Met Phe Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu  
1 5 10 15

Phe Val Cys Leu Phe Cln Cys Pro Lys Val Leu Pro Cys His Ser Ser  
20 25 30

Leu Cln Pro Asn Leu  
35

<210> 3  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> Designed peptide based on size and polarity to act as a linker between the alpha and beta chains of Protein XYZ.

<400> 3  
Met Val Asn Leu Glu Pro Met His Thr Glu Ile  
1 5 10

<210> 4  
<400> 4  
000

[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	<p>Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the &lt;220&gt; to &lt;223&gt; feature section.</p>	
<213>	Organism	<p>Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the &lt;220&gt; to &lt;223&gt; feature section.</p>	M
<220>	Feature	<p>Leave blank after &lt;220&gt;. &lt;221-223&gt; provide for a description of points of biological significance in the sequence.</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.</p>
<221>	Name/Key	<p>Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence</p>
<222>	Location	<p>Specify location within sequence; where appropriate state number of first and last bases/amino acids</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified</p>

" in feature

base was used in  
sequence

<223>

Other Infor-  
mation

Other relevant  
information;  
four lines maximum

M, under the fol-  
lowing conditions:  
if "n," "Xaa," or  
a modified or un-  
usual L-amino acid  
or modified base  
was used in a  
sequence; if  
ORGANISM  
is "Artificial  
Sequence" or  
"Unknown"; if  
molecule is com-  
bined DNA/RNA

<300>

Publication  
Information

Leave blank  
after <300>

0

<301>

Authors

Preferably max  
of ten named  
authors of publi-  
cation; specify  
one name per line;  
preferable format:  
Surname, Other  
Names and/or  
Initials.

0

<302>

Title

0

<303>

Journal

0

<304>

Volume

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<305>

Issue

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Pages

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Date

Journal date on which  
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specify as yyyy-mm-  
dd, MM-yyyy or  
Season-yyyy

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Database  
Accession  
Number

Accession number  
assigned by data-  
base including  
database name

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Date

Date of entry in  
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MM-yyyy

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Patent Document  
Number

Document number;  
for patent-type  
citations only.  
Specify as, for  
example, US  
07/999,999

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Publication Date

Document publication  
date, for  
patent-type  
citations only;  
specify as yyyy-mm-dd

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<313>

Relevant  
Residues

FROM (position) TO  
(position)

0

<400>

Sequence

SEQ ID NO should  
follow the  
numeric identifier  
and should appear  
on the line pre-  
ceding the actual  
sequence

0

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;